IN THE CLAIMS

Please amend the claims as follows:

Claims 1-7. (Canceled)

8. (Currently Amended) A method implemented in a non-transitory computer-readable medium and for executing on a proxy server the method for policy and attribute based access to a resource, comprising:

receiving, at the proxy server, a session request for access to a resource, the session request is sent from a service and includes alias identity information for a principal, the alias identity information includes a random password and a random principal identification, the alias identity information is randomly generated for identity information, the identity information identifies a true identity for the principal;

mapping, by the proxy server, the alias identity information to the identity information of the principal, the identity information associated with the true identity of the principal whereas the alias identity information is the random password and the random principal identification and the identity information and the true identity of the principal is available to the proxy server but not the service or the resource;

authenticating, by the proxy server, the identity information;

acquiring, by the proxy server, a service contract for the principal, the service, and the resource, the service contract is derived from an identity configuration for the principal and the identity configuration represents aggregated access policies and attributes for the principal with respect to the resource and all known services that are available to the principal, each service is an application or system that the principal uses to gain access to the resource;

obtaining from the service contract selective resource access policies and attributes which are permissibly used by the service when accessing the resource on behalf of the principal;

defining, via the service contract, a tripartite relationship among the principal, the service, and the resource, the service contract is derived from an identity configuration of the principal, the service contract including security strictures for the tripartite relationship including the

selective resource access policies and the attributes, the access policies define operations that the service can and cannot perform on behalf of the principal against the attributes of the resource ~~and those access policies map to the attributes~~, the attributes define specific data fields defined within the resource; and

establishing, by the proxy server, a session with the service, the session is controlled by the service contract, the service interacts with a legacy interface for the resource to make access requests for the principal in a format that is handled by the legacy interface and the legacy interface is not modified to handle the access requests, the access requests are in accordance with the service contract.

9. (Previously Presented) The method of claim 8 further comprising accessing, by the proxy server, the identity configuration for the principal in order to acquire the selective resource access policies and attributes included within the service contract.

10. (Previously Presented) The method of claim 8 further comprising denying, by the proxy sever, access attempts made by the service during the session when the access attempts are not included within the service contract.

11. (Previously Presented) The method of claim 8 further comprising terminating, by the proxy server, the session when an event is detected that indicates the service contract is compromised or has expired.

12. (Previously Presented) The method of claim 8 further comprising establishing, by the proxy sever, the service contract with the principal prior to receiving the session request.

13. (Previously Presented) The method of claim 12 further comprising reusing, by the proxy sever, the service contract to establish one or more additional sessions with the service, wherein the one or more additional sessions are associated with one or more additional session requests made by the service.

14. (Original) The method of claim 12 wherein the establishing further includes establishing the service contract with the principal in response to a redirection operation performed by a proxy that intercepts a browser request issued from the principal to the service for purposes of accessing the resource.

Claims 15-20. (Canceled)

21. (Currently Amended) A policy and attribute based resource session manager, residing in a non-transitory computer-accessible medium and for executing on a proxy server, comprising instructions for establishing a session with a resource, the instructions when executed performing the method of:

receiving, at the proxy server, alias identity information from a service, the alias identity information is associated with a principal, and the alias identity information includes a random password and a random principal identification, the alias identity information is randomly generated for principal identity information of the principal and the principal identity information identifies a true identity of the principal;

requesting, by the proxy server, a mapping of the alias identity information to the principal identity information, the principal identity information associated with the true identity of the principal whereas the alias identity information is the random password and the random principal identification and the principal identity information and the true identity of the principal is available to the proxy server but not the service or the resource;

requesting, by the proxy server, authenticating of the identity information;

requesting, by the proxy server, a service contract for the principal, the service and a resource, the service contract includes selective resource access policies and attributes, the service contract is derived from an identity configuration and the identity configuration represents aggregated access policies and attributes for the principal with respect to the resource and all known services that are available to the principal, each service is an application or system that the principal uses for gaining access to the resource;

defining, via, the service contract a tripartite relationship among the principal, the service, and the resource, the service contract including security strictures for the tripartite relationship

including the selective resource access policies and the attributes, the access policies define operations that the service can and cannot perform on behalf of the principal against the attributes of the resource ~~and those access policies map to the attributes~~, the attributes define specific data fields defined within the resource; and

establishing, by the proxy server, a session with the service and the resource, the session is controlled by the service contract and the service makes access requests to a legacy interface of the resource on behalf of the principal, the access requests made in a format handled by the legacy interface and the legacy interface is not modified to handle the access requests.

22. (Previously Presented) The policy and attribute based resource session manager of claim 21 having instructions further comprising, permitting, at the proxy server, the service to indirectly access an identity store which represents the resource, and wherein the identity store includes secure information related to the principal.

23. (Previously Presented) The policy and attribute based resource session manager of claim 21 having instructions further comprising terminating, at the proxy server, the session when the service contract expires or is compromised.

24. (Original) The policy and attribute based resource session manager of claim 21, wherein the requesting of the mapping further includes interacting with an alias translator.

25. (Original) The policy and attribute based resource session manager of claim 21, wherein the requesting of authentication further includes interacting with an identification authenticator.

26. (Previously Presented) The policy and attribute based resource session manager of claim 21 having instructions further comprising managing, at the proxy server, the session by acting as an intermediary between the service and a legacy Lightweight Directory Access Protocol (LDAP) application which has access privileges to the resource.

27. (Original) The policy and attribute based resource session manager of claim 26, wherein

the receiving further includes intercepting a session request that is issued from the service for the legacy LDAP application, wherein the session request includes the alias identity information.

28. (Previously Presented) The policy and attribute based resource session manager of claim 27 having instructions further comprising managing, at the proxy server, the session with respect to the service as if the policy based resource session manager were the legacy LDAP application.

29. (Cancelled).